

Data Path : Z:\HPCHEM1\BNA F\Data\BF032217\
 Data File : BF093871.D
 Acq On : 23 Mar 2017 9:30
 Operator : SJ/MA
 Sample : I2350-16
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 23 16:53:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

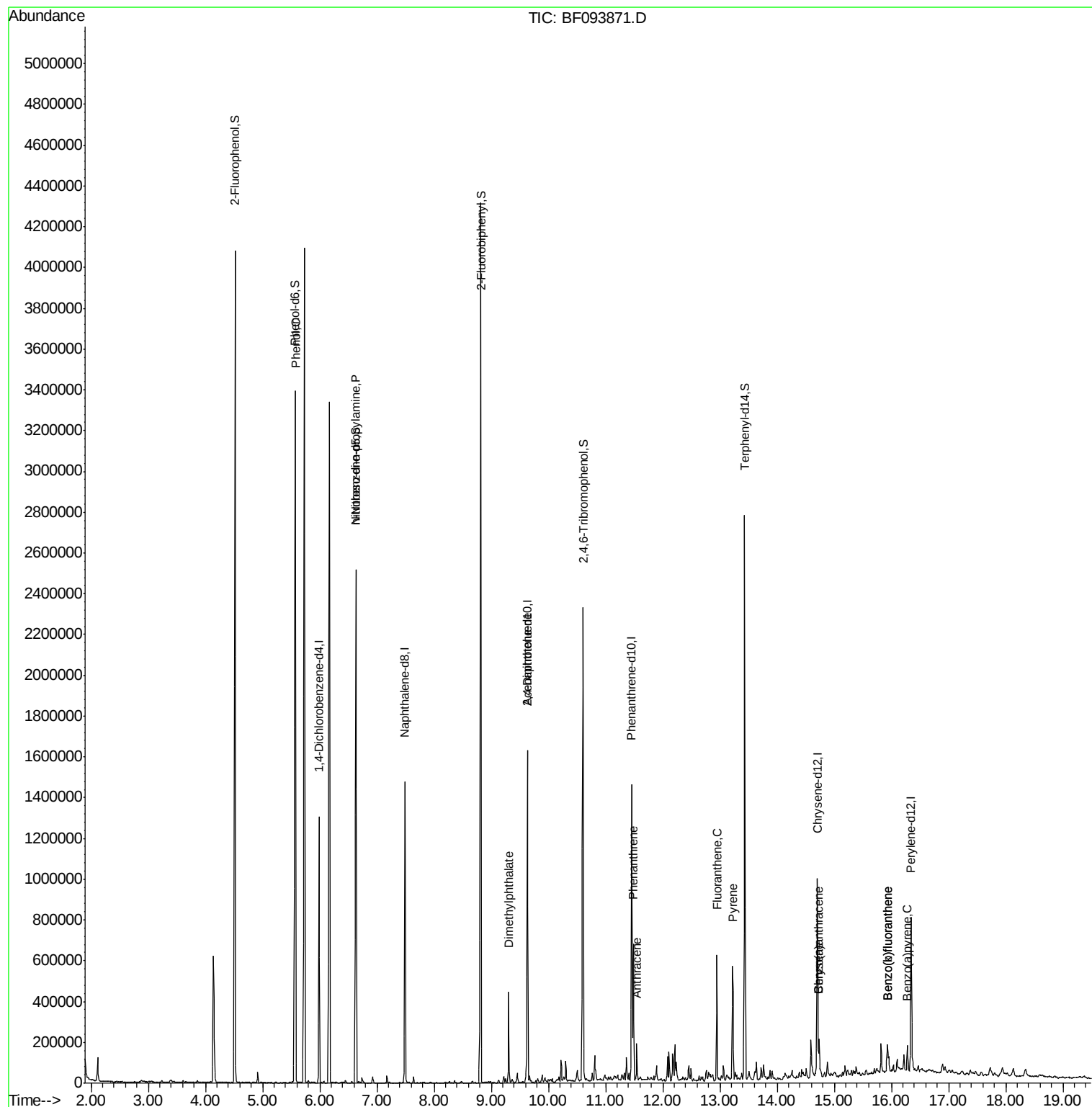
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.99	152	201706	20.00	ng	0.00
21) Naphthalene-d8	7.49	136	795972	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	348112	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	566236	20.00	ng	0.00
75) Chrysene-d12	14.71	240	357364	20.00	ng	0.00
86) Perylene-d12	16.34	264	311188	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.52	112	1307681	109.50	ng	0.01
7) Phenol-d6	5.57	99	1659543	112.33	ng	0.00
23) Nitrobenzene-d5	6.63	82	1021593	73.24	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	306254	111.33	ng	0.00
44) 2-Fluorobiphenyl	8.82	172	1606276	70.38	ng	0.00
78) Terphenyl-d14	13.43	244	1025251	64.31	ng	0.00
Target Compounds						Qvalue
10) Phenol	5.58	94	56981	3.39	ng	92
19) n-Nitroso-di-n-propylamine	6.63	70	135145	14.23	ng	# 77
49) Dimethylphthalate	9.30	163	179625	7.26	ng	100
56) 2,4-Dinitrotoluene	9.63	165	46059	6.46	ng	# 32
70) Phenanthrene	11.49	178	264181	8.39	ng	98
71) Anthracene	11.55	178	69819	2.15	ng	97
74) Fluoranthene	12.94	202	253200	7.85	ng	97
77) Pyrene	13.22	202	228714	8.82	ng	99
80) Benzo(a)anthracene	14.74	228	68996	3.31	ng	97
82) Chrysene	14.74	228	68996	3.57	ng	98
87) Benzo(b)fluoranthene	15.93	252	96800	5.07	ng	# 97
88) Benzo(k)fluoranthene	15.93	252	96800	5.19	ng	98
89) Benzo(a)pyrene	16.28	252	53570	3.05	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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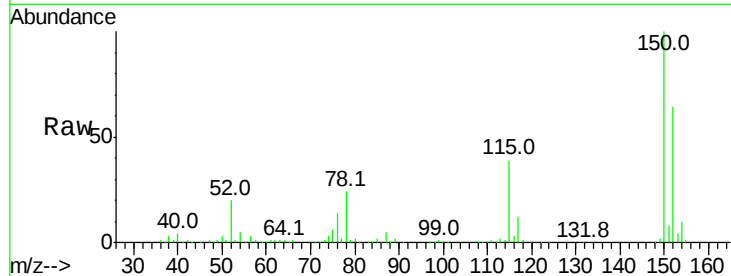


#1

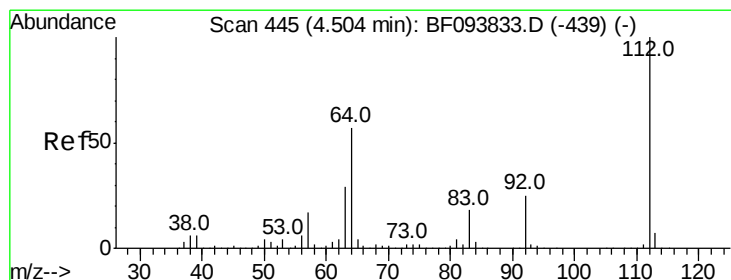
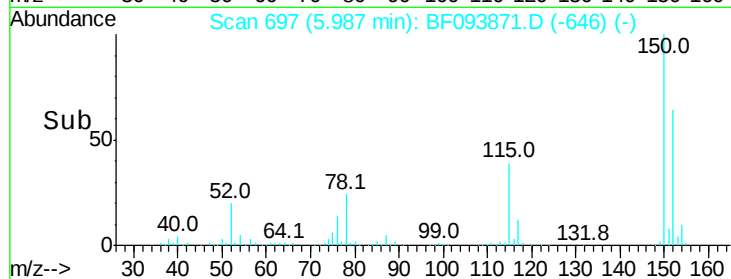
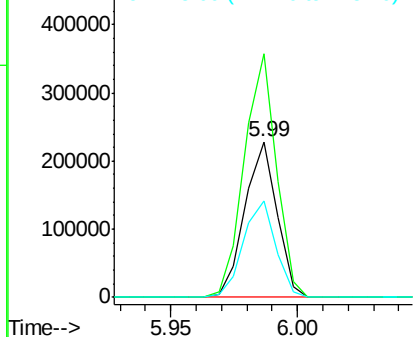
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.99 min Scan# 697
Delta R.T. 0.00 min
Lab File: BF093871.D
Acq: 23 Mar 2017 9:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 201706
Ion Ratio Lower Upper
152 100
150 156.4 126.2 189.2
115 61.6 52.2 78.2



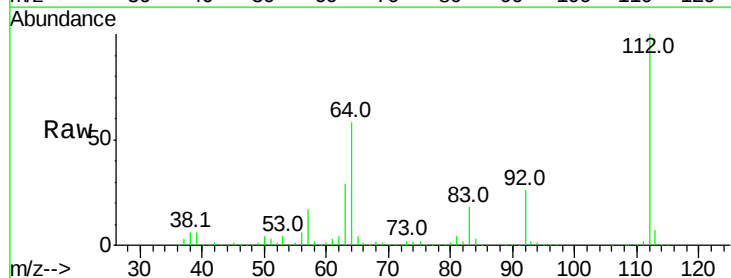
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



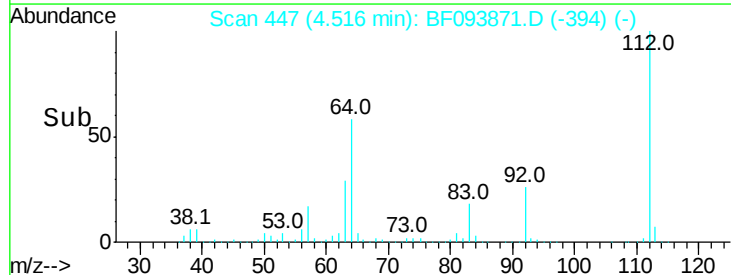
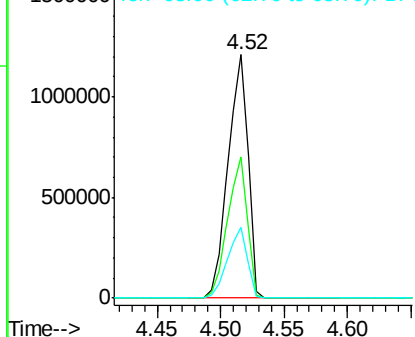
#5

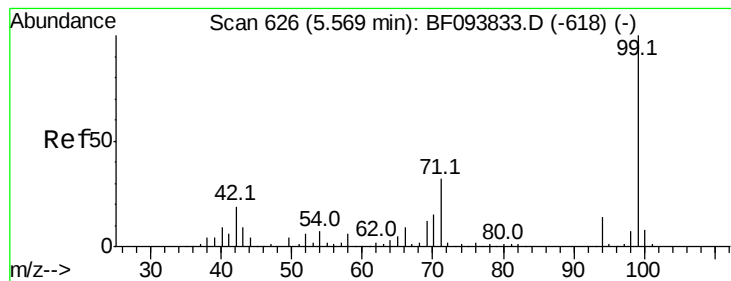
2-Fluorophenol
Concen: 109.50 ng
RT: 4.52 min Scan# 447
Delta R.T. 0.01 min
Lab File: BF093871.D
Acq: 23 Mar 2017 9:30

Tgt Ion:112 Resp: 1307681
Ion Ratio Lower Upper
112 100
64 57.9 46.0 69.0
63 29.2 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 112.33 ng

RT: 5.57 min Scan# 626

Delta R.T. 0.00 min

Lab File: BF093871.D

Acq: 23 Mar 2017 9:30

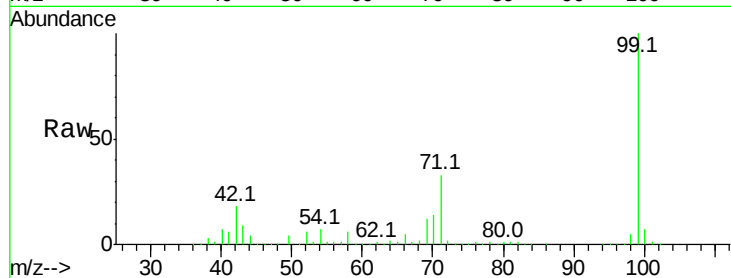
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1659543

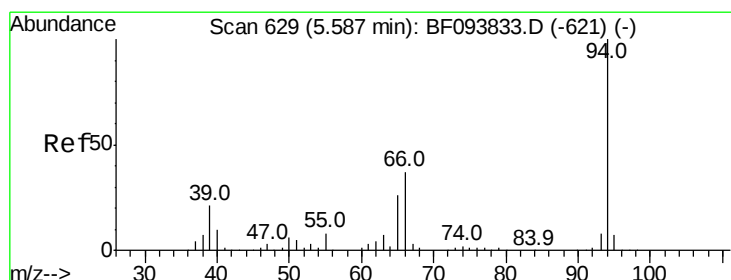
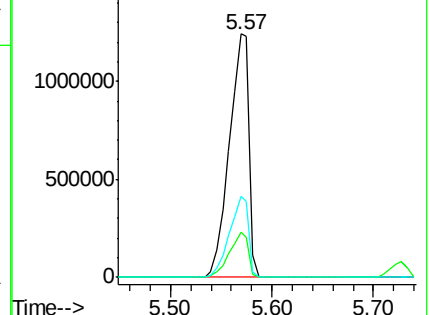
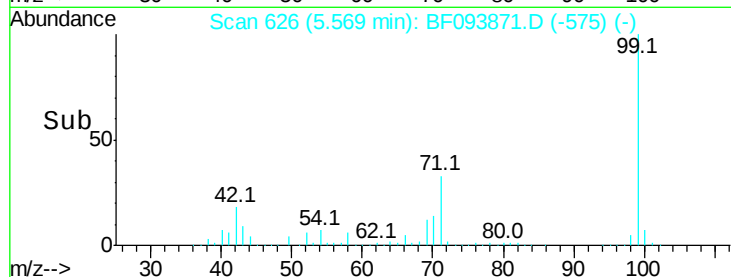
Ion	Ratio	Lower	Upper
99	100		
42	18.4	13.5	20.3
71	33.2	24.5	36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.39 ng

RT: 5.58 min Scan# 628

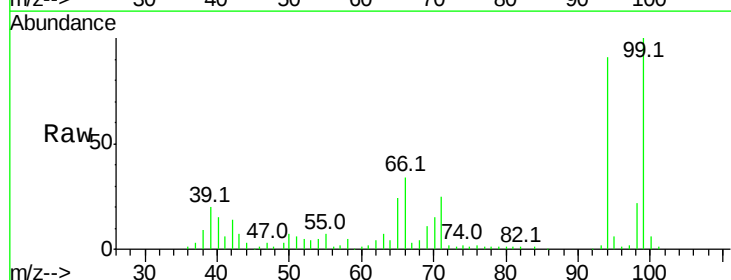
Delta R.T. -0.01 min

Lab File: BF093871.D

Acq: 23 Mar 2017 9:30

Tgt Ion: 94 Resp: 56981

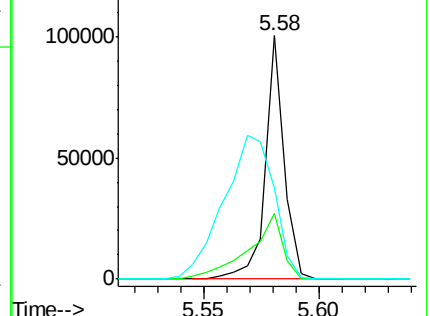
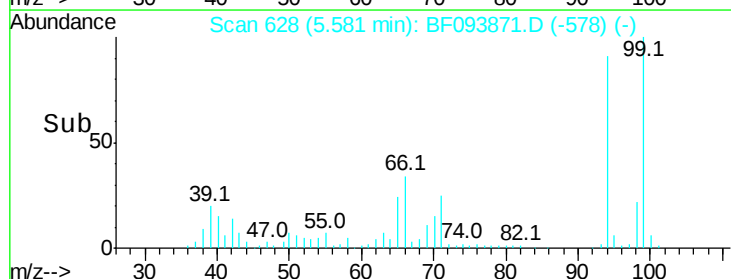
Ion	Ratio	Lower	Upper
94	100		
65	26.8	9.9	49.9
66	37.3	23.1	63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 14.23 ng

RT: 6.63 min Scan# 807

Delta R.T. 0.16 min

Lab File: BF093871.D

Acq: 23 Mar 2017 9:30

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 135145

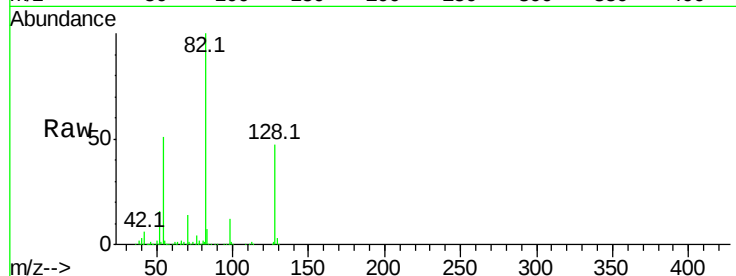
Ion Ratio Lower Upper

70 100

42 46.1 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

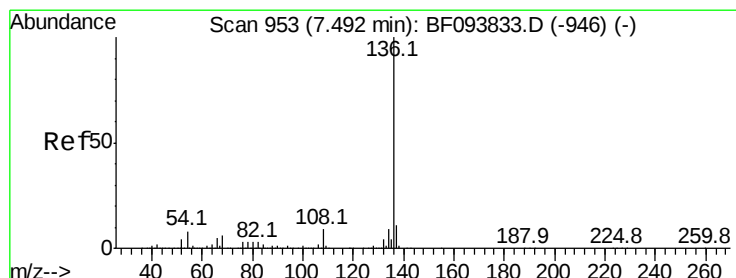
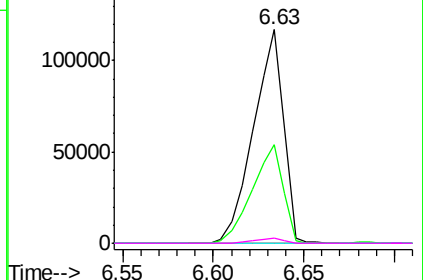
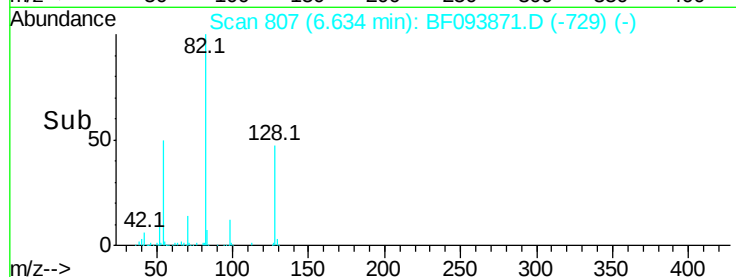


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.49 min Scan# 953

Delta R.T. 0.00 min

Lab File: BF093871.D

Acq: 23 Mar 2017 9:30

Tgt Ion: 136 Resp: 795972

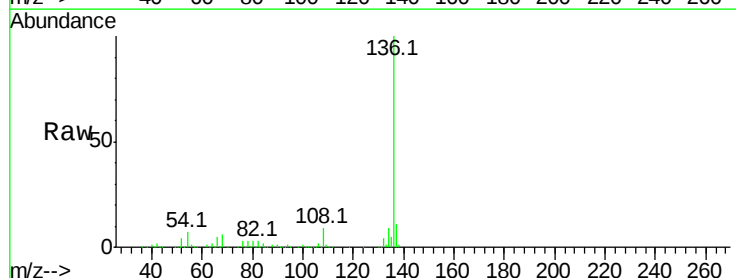
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.4 4.9 7.3#

68 6.0 4.1 6.1

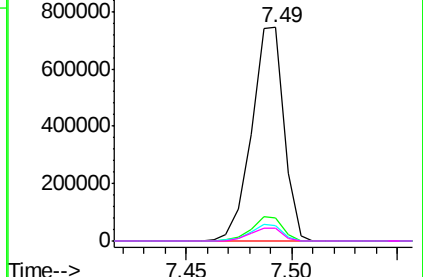
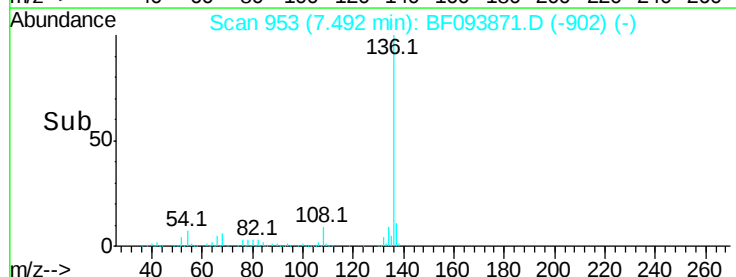


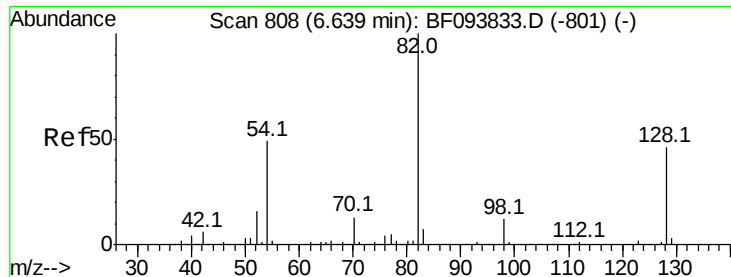
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 73.24 ng

RT: 6.63 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF093871.D

Acq: 23 Mar 2017 9:30

Instrument :

BNA_F

ClientSampleId :

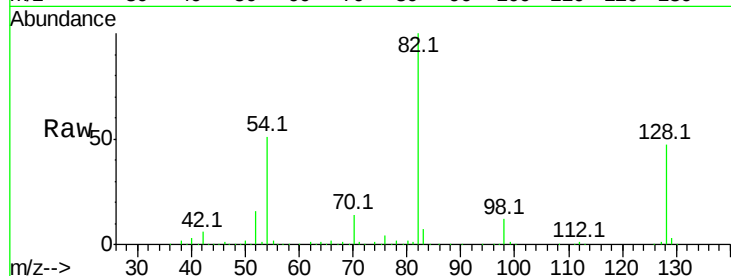
Tot Ion: 82 Resp: 1021593

Ion Ratio Lower Upper

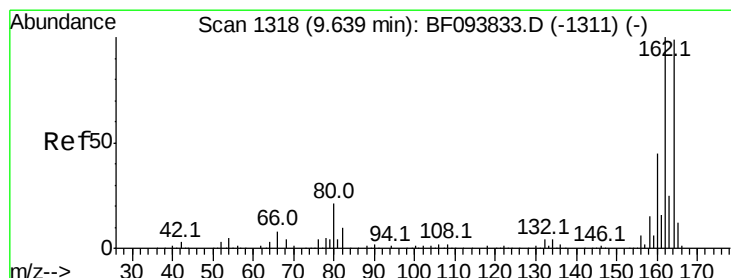
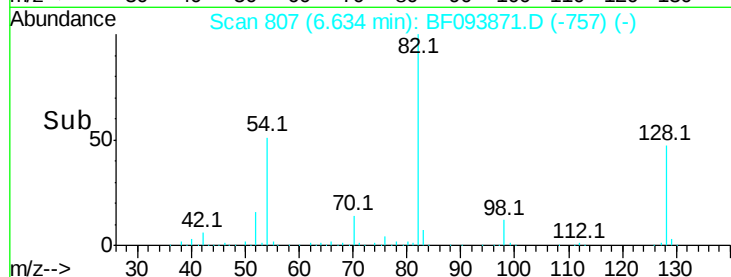
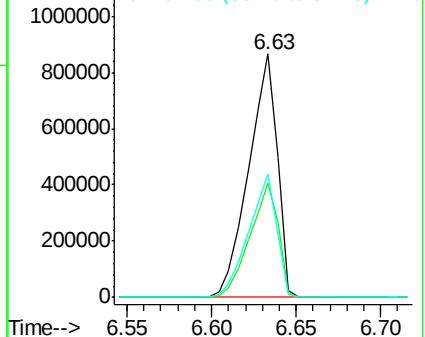
82 100

128 46.7 34.0 51.0

54 50.6 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.63 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF093871.D

Acq: 23 Mar 2017 9:30

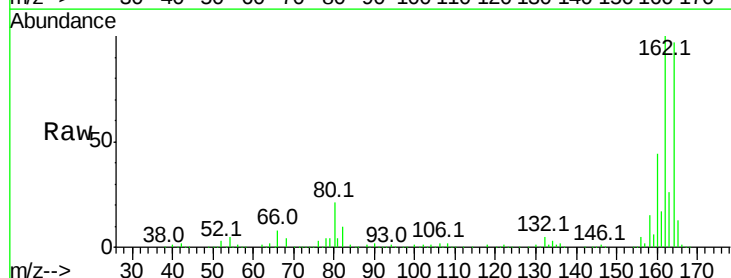
Tgt Ion:164 Resp: 348112

Ion Ratio Lower Upper

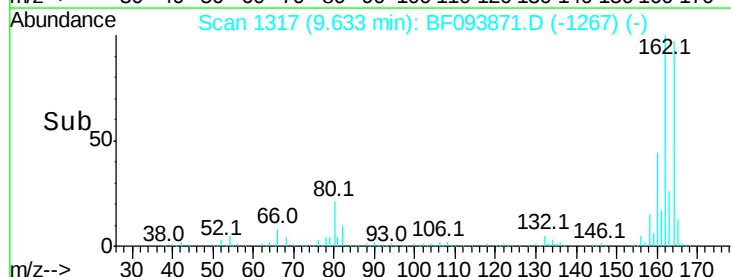
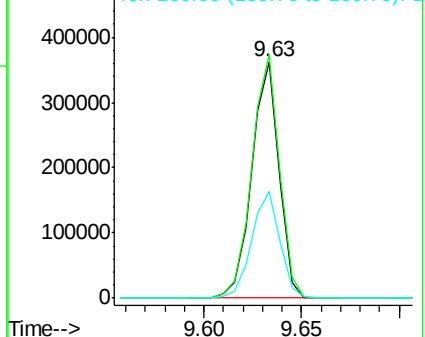
164 100

162 103.1 82.6 123.8

160 45.2 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): B
Ion 162.00 (161.70 to 162.70): B
Ion 160.00 (159.70 to 160.70): B

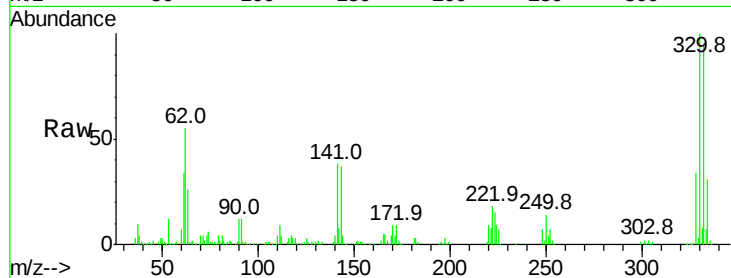




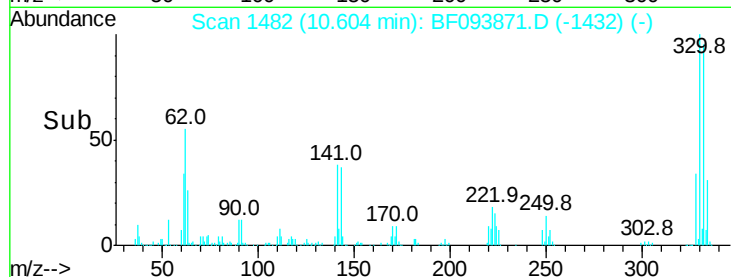
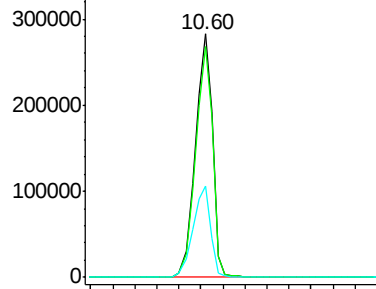
#41
 2,4,6-Tribromophenol
 Concen: 111.33 ng
 RT: 10.60 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF093871.D
 Acq: 23 Mar 2017 9:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.6	115.0
141	38.8	31.4	47.2

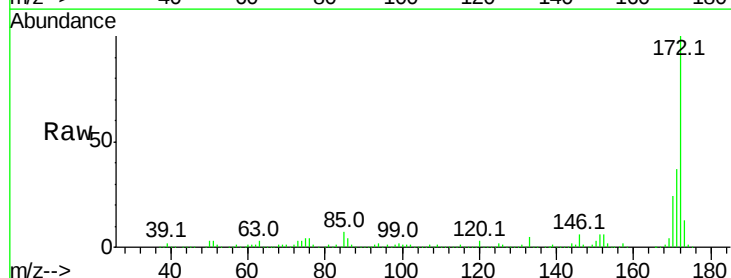


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

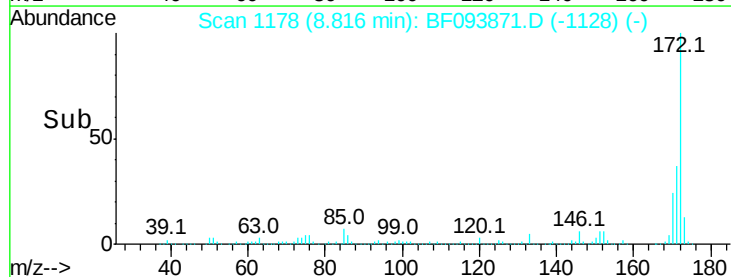
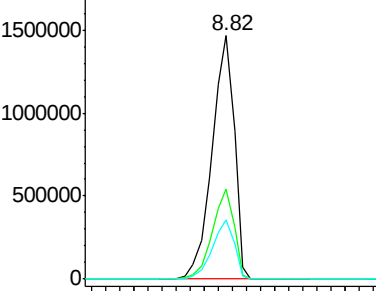


#44
 2-Fluorobiphenyl
 Concen: 70.38 ng
 RT: 8.82 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF093871.D
 Acq: 23 Mar 2017 9:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.6	44.4
170	24.4	19.8	29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

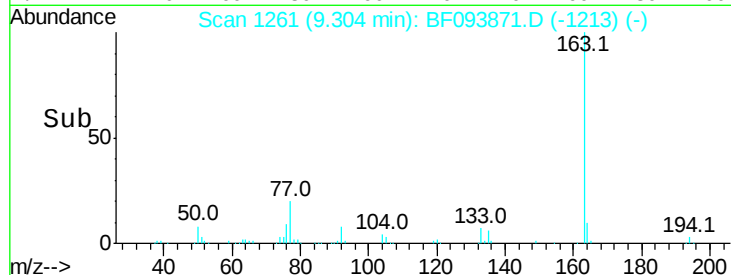
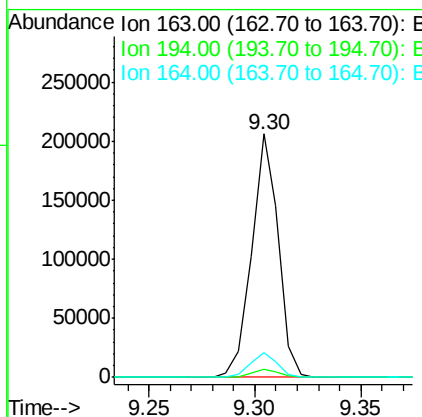
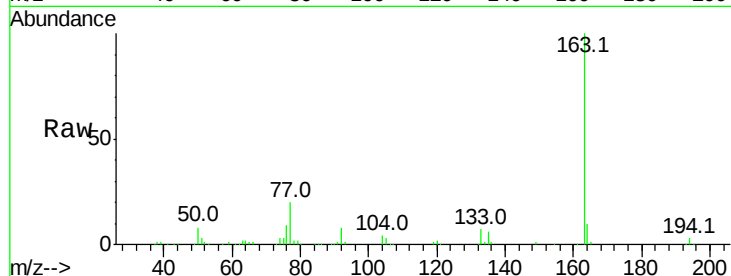




#49
Dimethylphthalate
Concen: 7.26 ng
RT: 9.30 min Scan# 1261
Delta R.T. -0.02 min
Lab File: BF093871.D
Acq: 23 Mar 2017 9:30

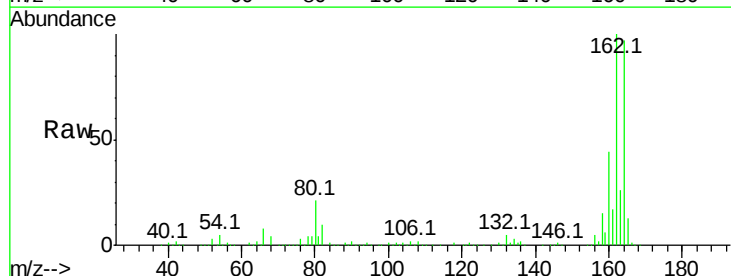
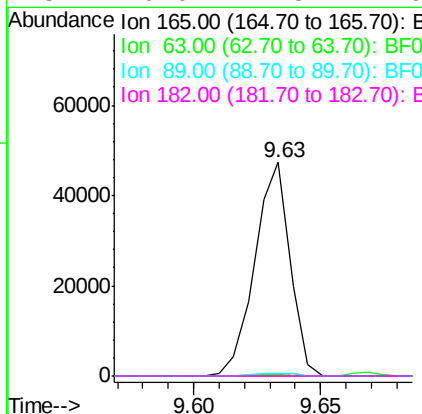
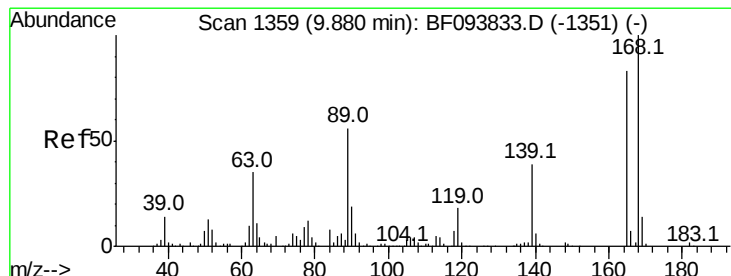
Instrument :
BNA_F
ClientSampled :

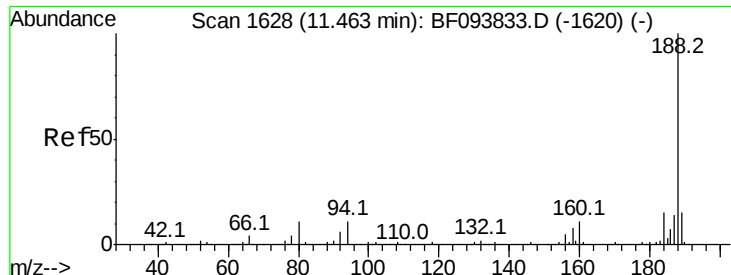
Tot Ion:163 Resp: 179625
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.4 8.4 12.6



#56
2,4-Dinitrotoluene
Concen: 6.46 ng
RT: 9.63 min Scan# 1317
Delta R.T. -0.25 min
Lab File: BF093871.D
Acq: 23 Mar 2017 9:30

Tgt Ion:165 Resp: 46059
Ion Ratio Lower Upper
165 100
63 0.7 25.4 38.0#
89 1.1 46.4 69.6#
182 0.0 1.8 2.6#

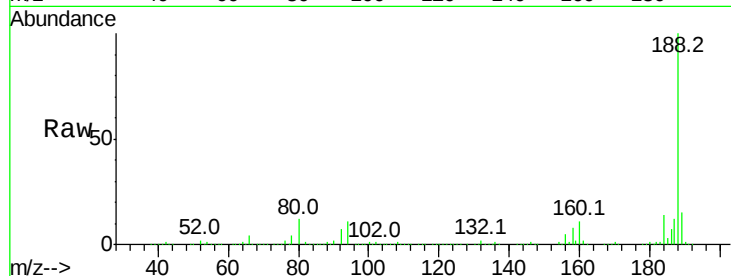




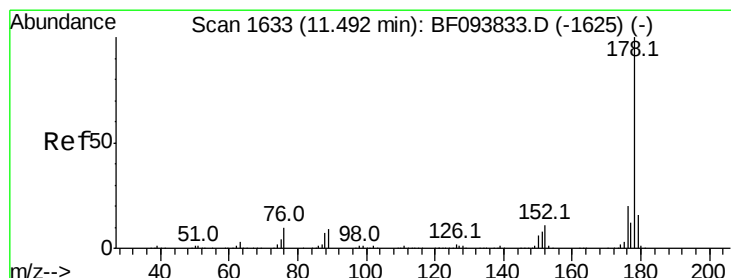
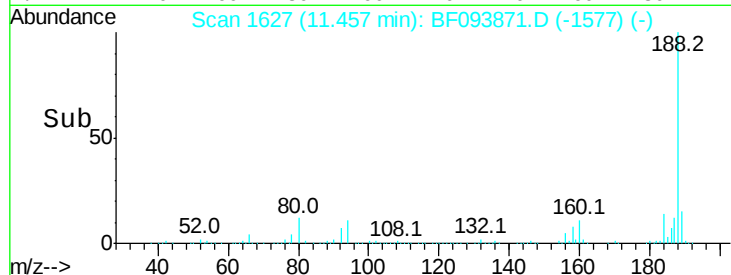
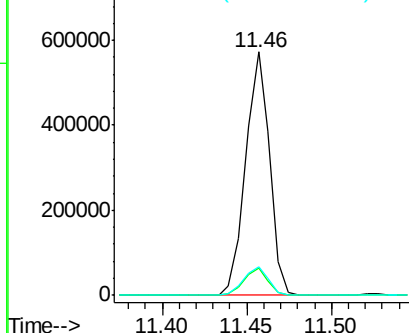
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 1627
Delta R.T. -0.01 min
Lab File: BF093871.D
Acq: 23 Mar 2017 9:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 566236
Ion Ratio Lower Upper
188 100
94 11.3 9.4 14.2
80 11.8 10.2 15.2

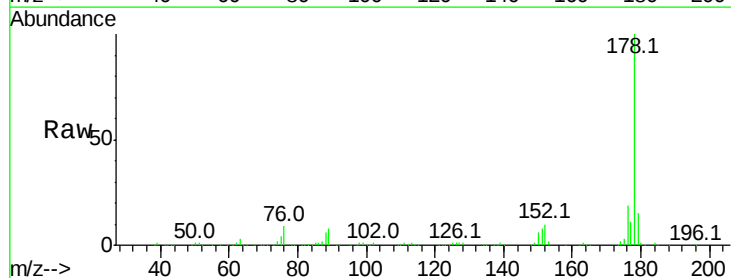


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

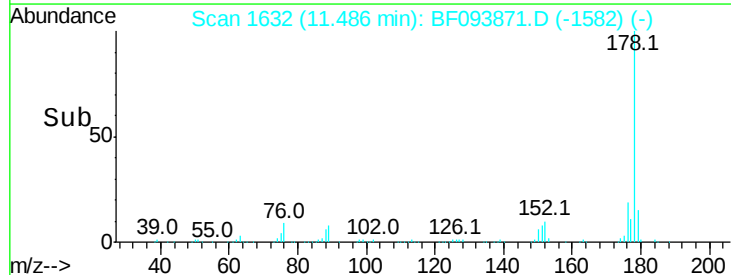
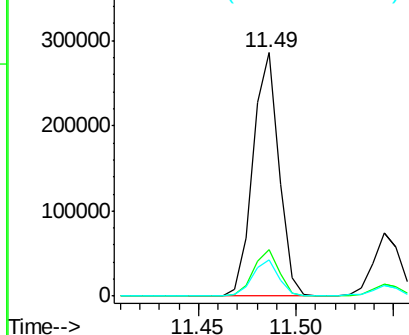


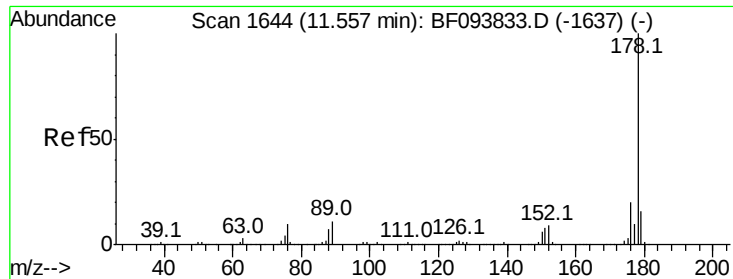
#70
Phenanthrene
Concen: 8.39 ng
RT: 11.49 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BF093871.D
Acq: 23 Mar 2017 9:30

Tgt Ion:178 Resp: 264181
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.4
179 14.8 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

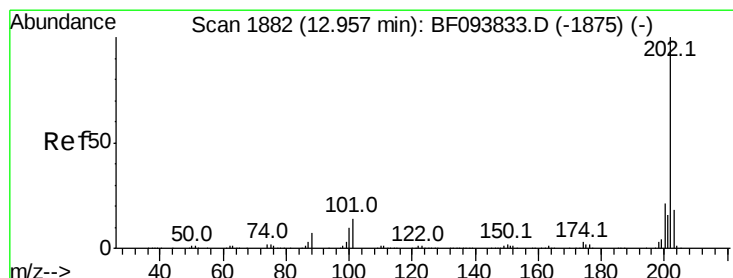
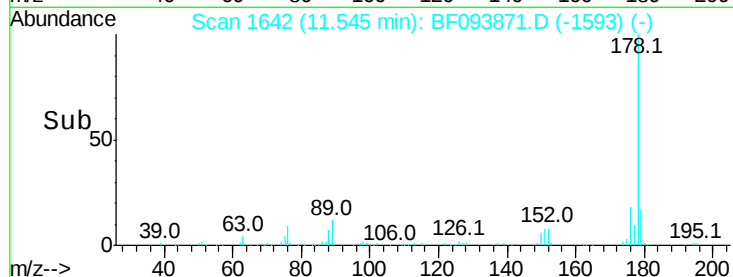
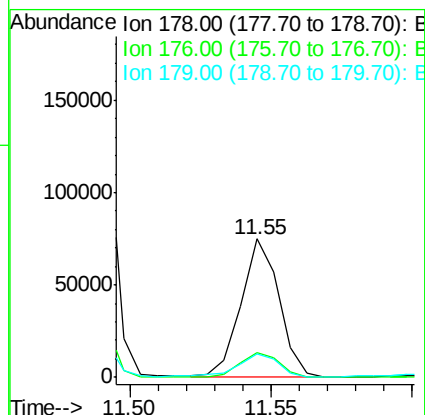
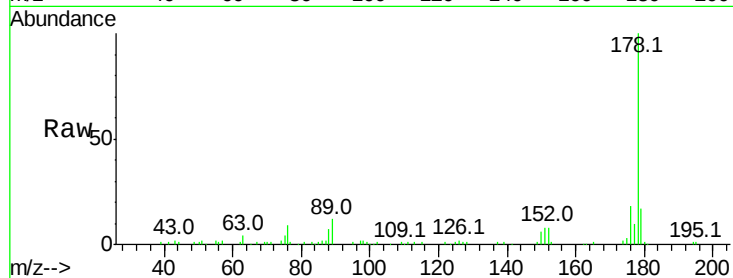




#71
 Anthracene
 Concen: 2.15 ng
 RT: 11.55 min Scan# 1642
 Delta R.T. -0.01 min
 Lab File: BF093871.D
 Acq: 23 Mar 2017 9:30

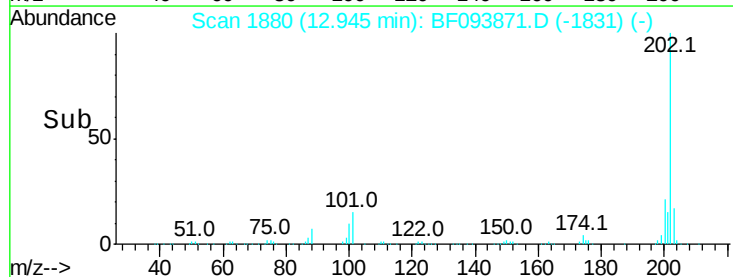
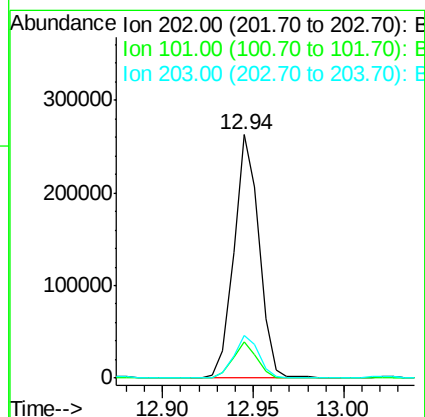
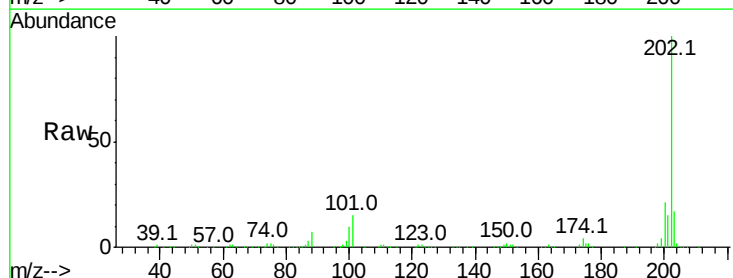
Instrument :
 BNA_F
 ClientSampleId :

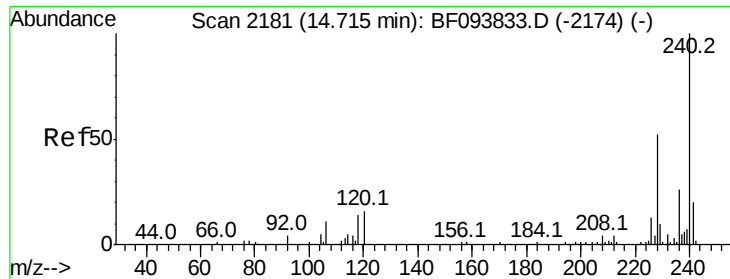
Tot Ion:178 Resp: 69819
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.8 23.8
 179 16.5 12.7 19.1



#74
 Fluoranthene
 Concen: 7.85 ng
 RT: 12.94 min Scan# 1880
 Delta R.T. -0.01 min
 Lab File: BF093871.D
 Acq: 23 Mar 2017 9:30

Tgt Ion:202 Resp: 253200
 Ion Ratio Lower Upper
 202 100
 101 15.0 0.0 33.2
 203 17.3 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.71 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BF093871.D

Acq: 23 Mar 2017 9:30

Instrument :

BNA_F

ClientSampleId :

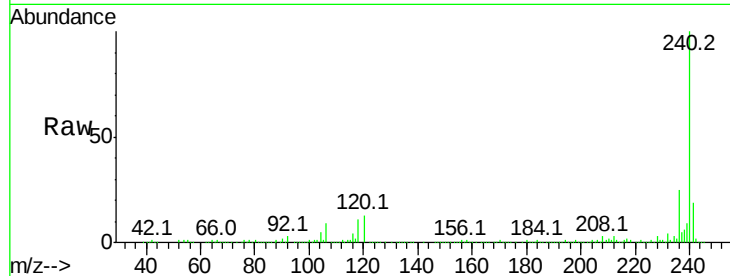
Tot Ion:240 Resp: 357364

Ion Ratio Lower Upper

240 100

120 13.0 5.8 8.8#

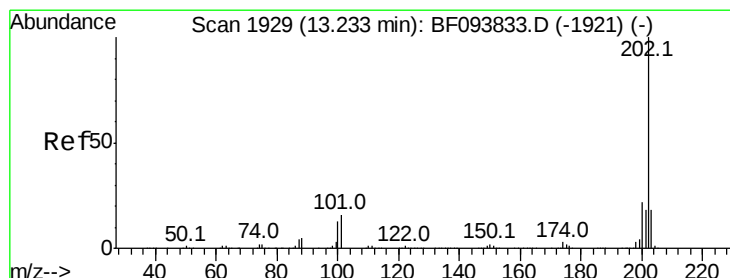
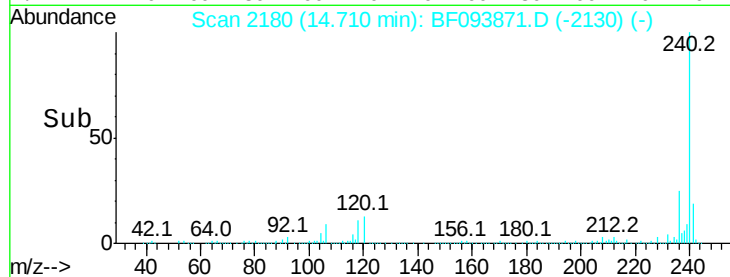
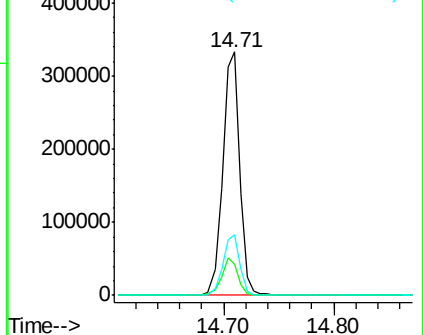
236 24.8 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 8.82 ng

RT: 13.22 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BF093871.D

Acq: 23 Mar 2017 9:30

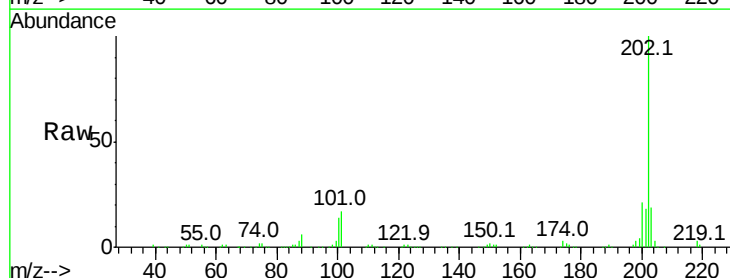
Tgt Ion:202 Resp: 228714

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

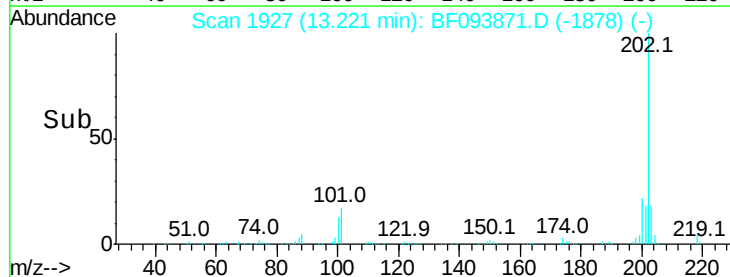
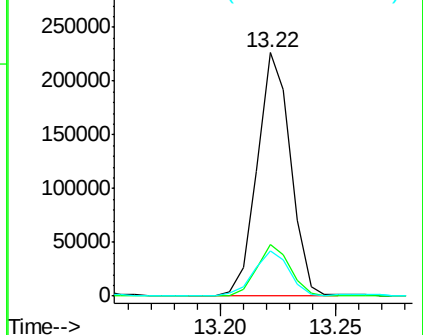
203 18.7 14.4 21.6

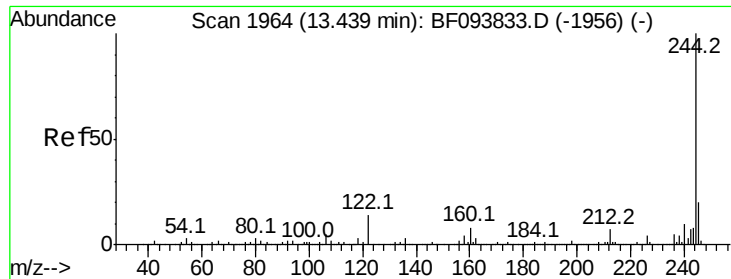


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

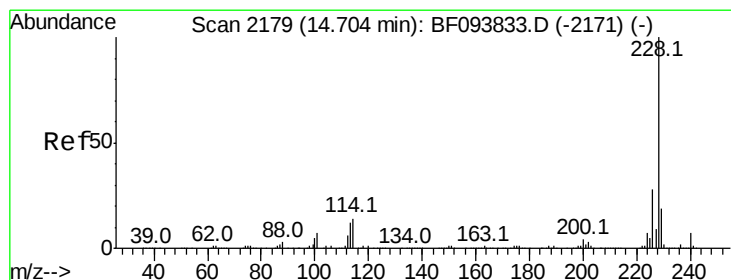
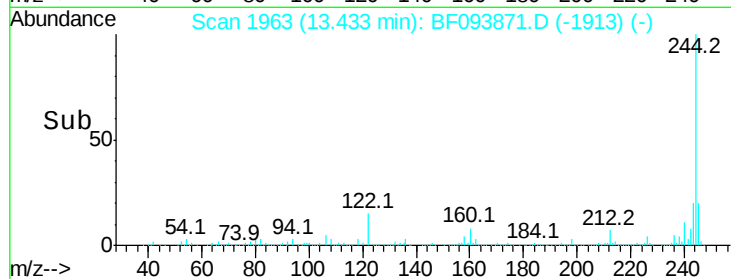
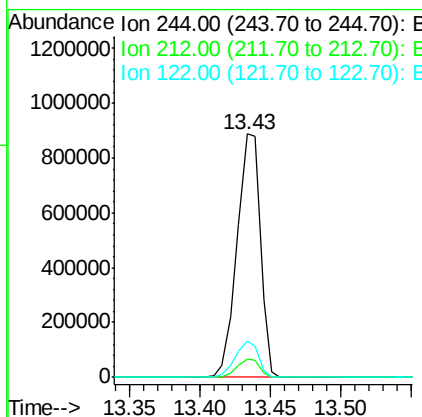
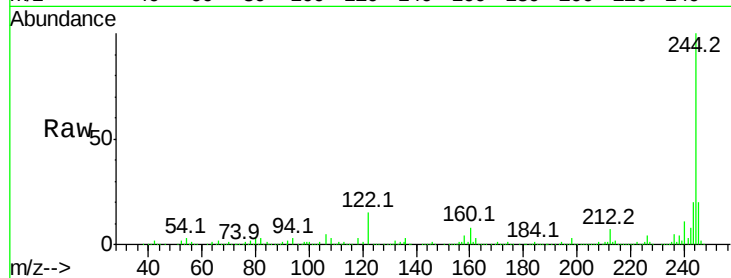




#78
 Terphenyl-d14
 Concen: 64.31 ng
 RT: 13.43 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: BF093871.D
 Acq: 23 Mar 2017 9:30

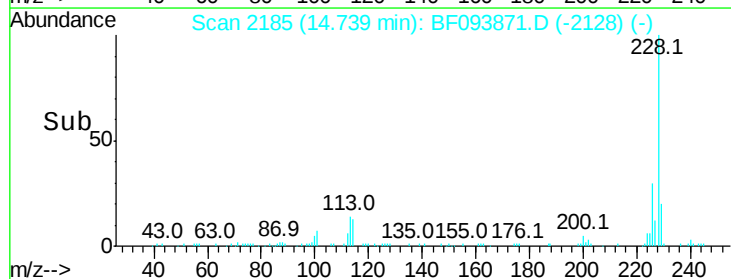
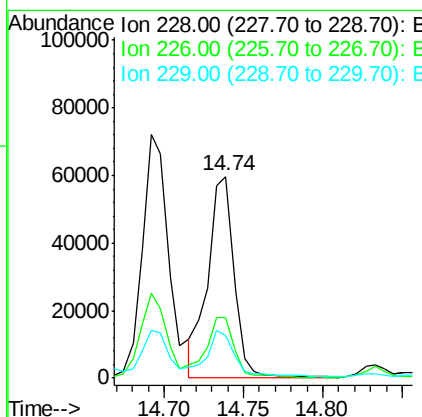
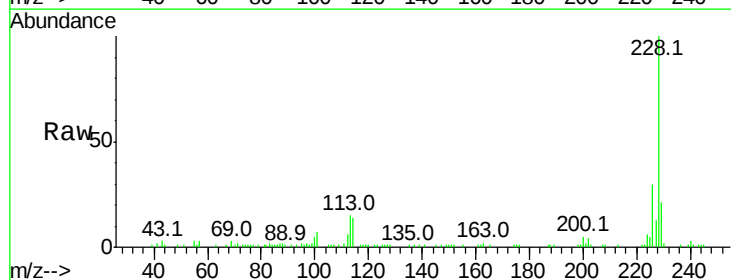
Instrument :
 BNA_F
 ClientSampleId :

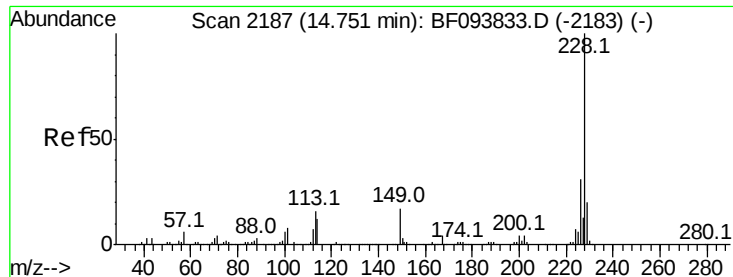
Tot Ion:244 Resp: 1025251
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 15.0 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 3.31 ng
 RT: 14.74 min Scan# 2185
 Delta R.T. 0.04 min
 Lab File: BF093871.D
 Acq: 23 Mar 2017 9:30

Tgt Ion:228 Resp: 68996
 Ion Ratio Lower Upper
 228 100
 226 30.3 22.6 33.8
 229 20.9 16.3 24.5





#82

Chrysene

Concen: 3.57 ng

RT: 14.74 min Scan# 2185

Delta R.T. -0.01 min

Lab File: BF093871.D

Acq: 23 Mar 2017 9:30

Instrument :

BNA_F

ClientSampleId :

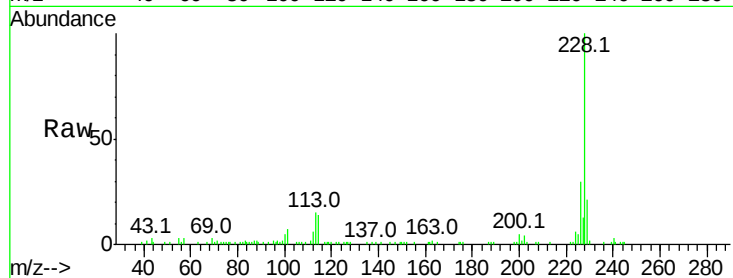
Tot Ion:228 Resp: 68996

Ion Ratio Lower Upper

228 100

226 30.3 24.9 37.3

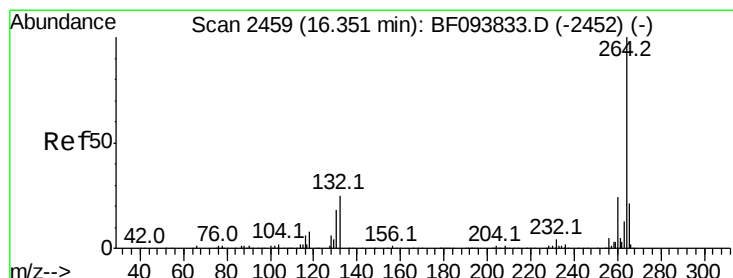
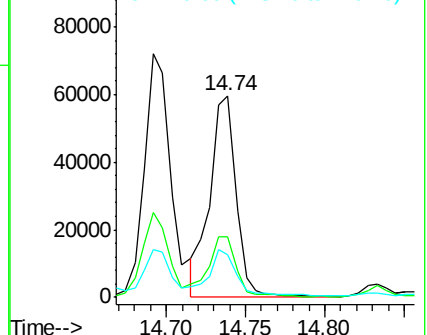
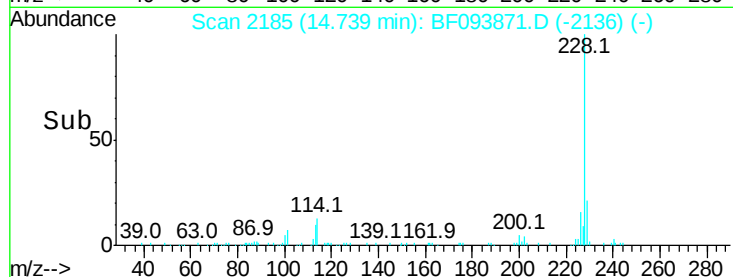
229 20.9 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.34 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BF093871.D

Acq: 23 Mar 2017 9:30

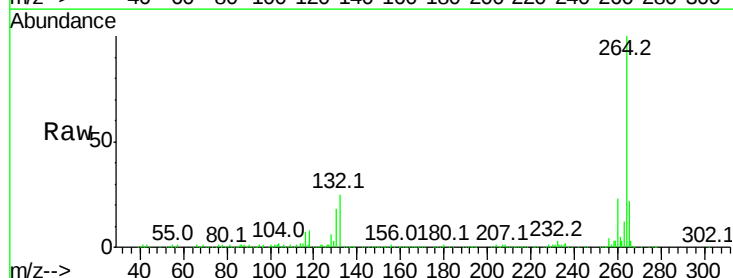
Tgt Ion:264 Resp: 311188

Ion Ratio Lower Upper

264 100

260 23.4 19.5 29.3

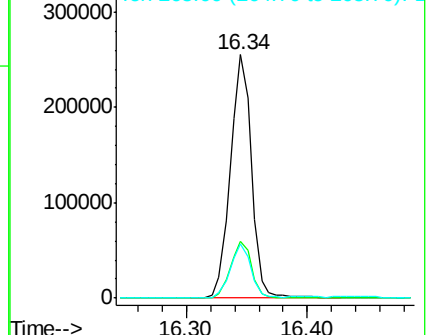
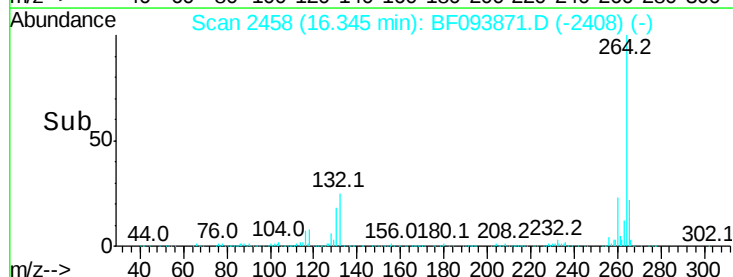
265 22.1 17.2 25.8

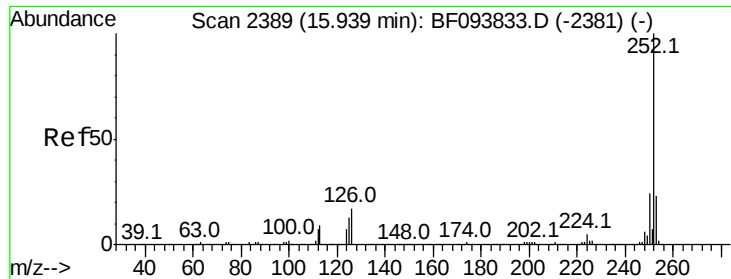


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

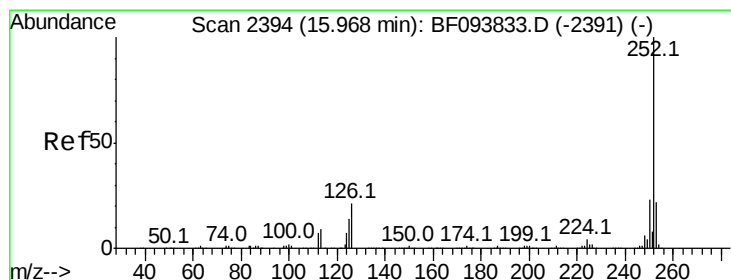
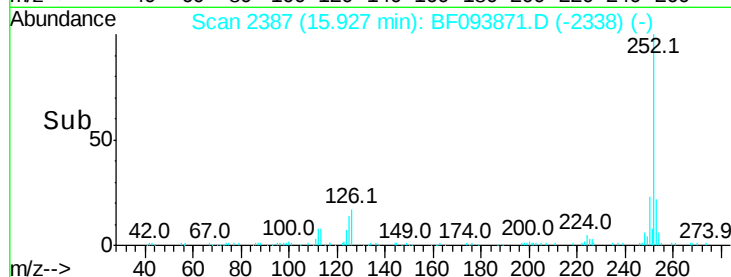
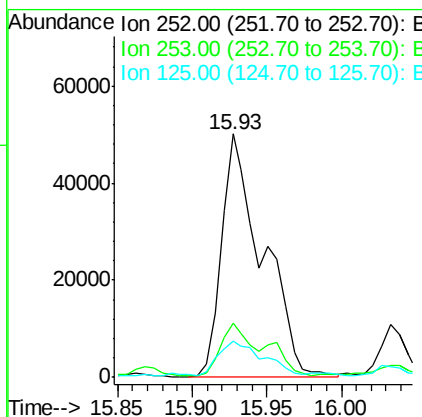
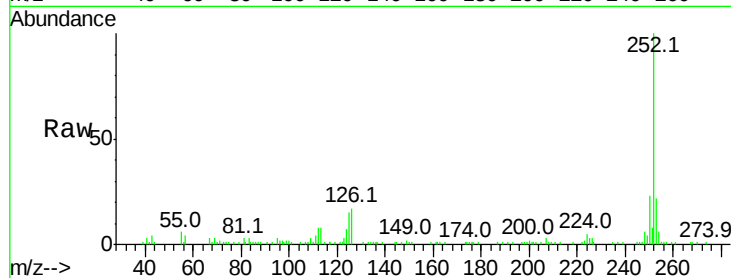




#87
Benzo(b)fluoranthene
Concen: 5.07 ng
RT: 15.93 min Scan# 2387
Delta R.T. -0.01 min
Lab File: BF093871.D
Acq: 23 Mar 2017 9:30

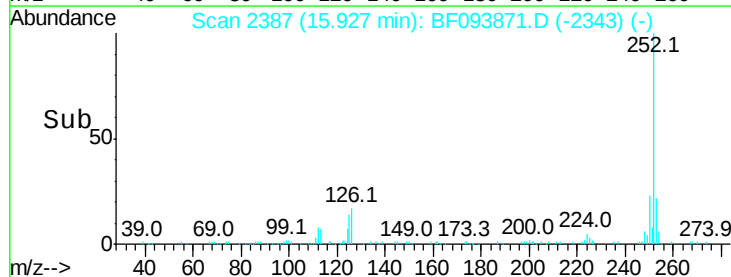
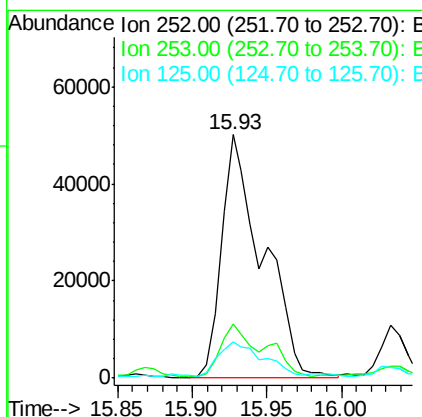
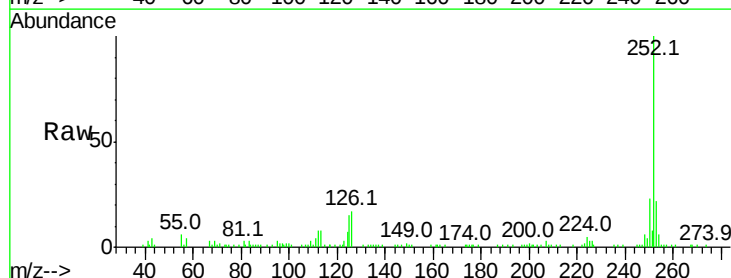
Instrument :
BNA_F
ClientSampleId :

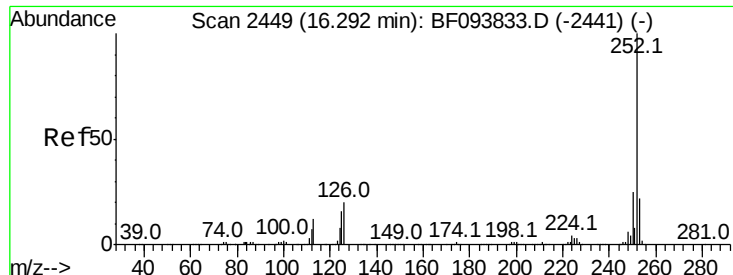
Tot Ion:252 Resp: 96800
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 14.8 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 5.19 ng
RT: 15.93 min Scan# 2387
Delta R.T. -0.04 min
Lab File: BF093871.D
Acq: 23 Mar 2017 9:30

Tgt Ion:252 Resp: 96800
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 14.8 13.1 19.7





#89

Benzo(a)pyrene

Concen: 3.05 ng

RT: 16.28 min Scan# 2447

Delta R.T. -0.01 min

Lab File: BF093871.D

Acq: 23 Mar 2017 9:30

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 53570

Ion Ratio Lower Upper

252 100

253 20.2 17.5 26.3

125 14.4 11.0 16.4

